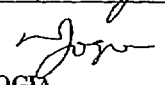


## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU01/00297

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
Int. Cl. <sup>7</sup> : C12N 15/11;15/63		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) SEE BELOW		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched SEEBELOW		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) STN (WPIDS; Medline): RNA interference; post transcriptional gene silencing; cosuppression		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, Y	Nature Genetics 24, pp 180-183 (Feb 2000). Tavernarakis et al "Heritable and inducible genetic interference by double-stranded RNA encoded by transgenes". See page 180	1-8, 11-34, 37-46, 49-56, 59-63, 66-75, 78-87, 90 and 91
X	Biochem Biophys Research Comm 263, pp 156-161 (1999). Wargelius et al "Double-stranded RNA Induces specific Developmental Defects in Zebrafish Embryos" See p156, p 159-160	1-8, 11-34, 37-46, 49-56, 59-63, 66-75, 78-87, 90 and 91
P, X	Developmental Biology 224, pp 20-28 (August 2000) Oates et al "Too Much interference: Injection of double-Stranded RNA Has nonspecific effects in the Zebrafish Embryo". See page 20,	1-8, 11-34, 37-46, 49-56, 59-63, 66-75, 78-87, 90 and 91
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input type="checkbox"/> See patent family annex		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 7 May 2001		Date of mailing of the international search report 10 May 2001
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929		Authorized officer  MADHU K. JOGIA Telephone No : (02) 6283 2512

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU01/00297

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	Current Opinion in Genetics & Development 10, pp 211-216 (April, 2000) Birchler et al "Making noise about silence: repression of repeated genes in animals" See page 211, 213-214.	1-8, 11-34, 37-46, 49-56, 59-63, 66-75, 78-87, 90 and 91
P, Y	Current Opinion in Genetics & Development 10, pp 638-643 (2000) Cogoni et al "Post-transcriptional gene silencing across kingdoms"	1-8, 11-34, 37-46, 49-56, 59-63, 66-75, 78-87, 90 and 91
X	Antisense & Nucleic Acid Drug Development 9, pp 241-252 (1999) Putlitz et al "Specific Inhibition of Hepatitis B virus Replication by sense RNA"	1-8, 11-34, 37-46, 49-56, 59-63, 66-75, 78-87, 90 and 91
P, X	Plant Molecular Biology 43, pp 295-306 (2000) Marathe et al "RNA viruses as inducers, suppressors and targets of post-transcriptional gene silencing"	1-8, 11-34, 37-46, 49-56, 59-63, 66-75, 78-87, 90 and 91
P, X	FEBS 479, pp 79-82 (August, 2000) Ui-Tei et al "Sensitive assay of RNA interference in <i>Drosophila</i> and Chinese hamster cultured cells using firefly luciferase gene as target".	1-8, 11-34, 37-46, 49-56, 59-63, 66-75, 78-87, 90 and 91